

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
 Data File : VN064825.D
 Acq On : 24 Nov 2020 21:53
 Operator : JC/MD
 Sample : VN1124WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1124WBL02

Quant Time: Nov 25 04:09:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	163130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	292883	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	298196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	138257	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	101011	53.26	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	106.52%
35) Dibromofluoromethane	7.55	113	92289	52.66	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.32%
50) Toluene-d8	10.06	98	362009	50.56	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.12%
62) 4-Bromofluorobenzene	12.37	95	142595	55.64	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	111.28%

Target Compounds

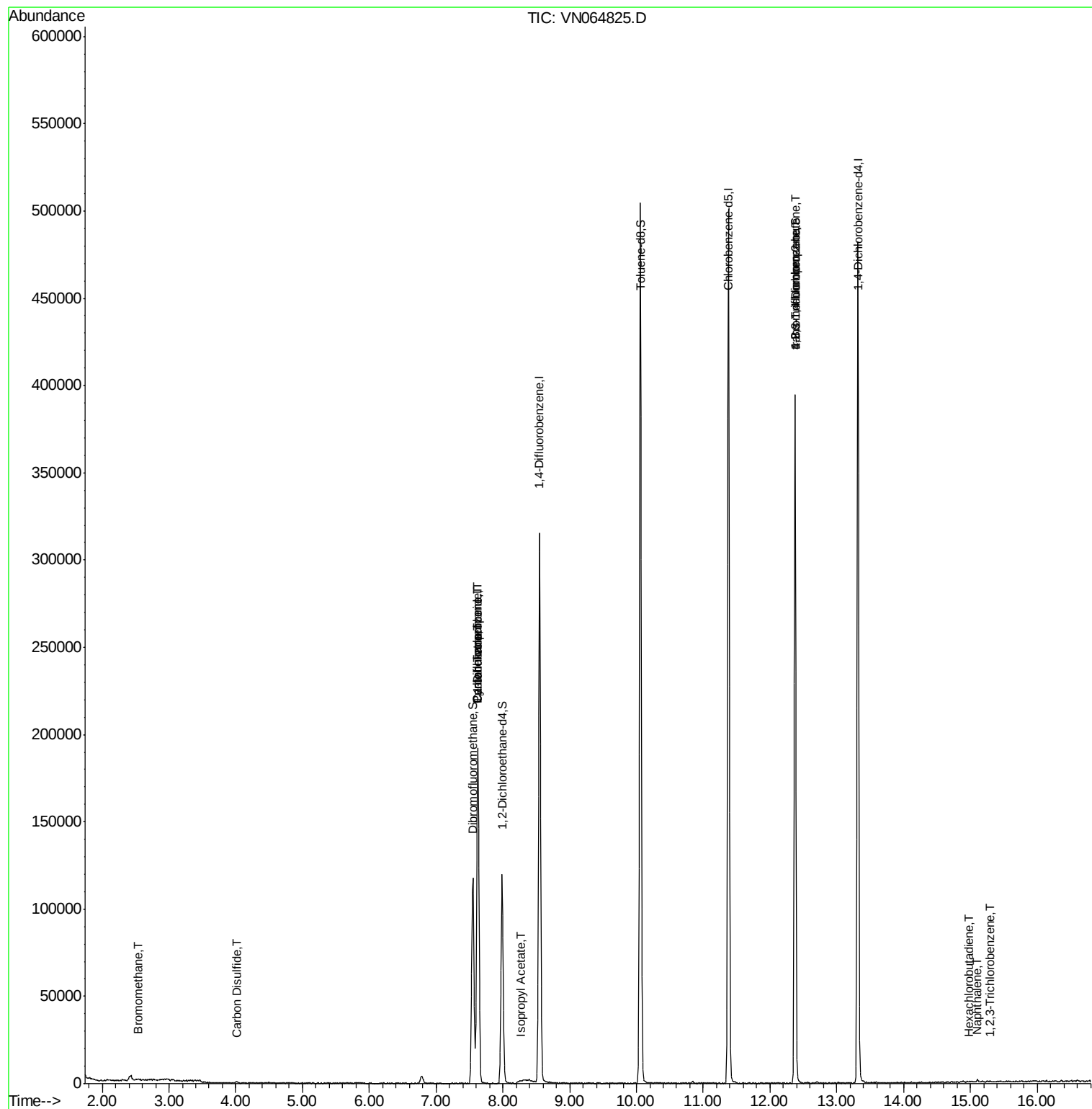
					Qvalue	
5) Bromomethane	2.54	94	274	0.218	ug/l	98
17) Carbon Disulfide	4.01	76	1222	0.304	ug/l #	75
31) Cyclohexane	7.63	56	2928	1.108	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11532	4.248	ug/l #	48
38) Carbon Tetrachloride	7.62	117	15439	5.466	ug/l #	15
43) Isopropyl Acetate	8.26	43	1320	0.314	ug/l #	59
76) 1,2,3-Trichloropropane	12.38	75	67997	22.837	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	67997	62.591	ug/l #	15
94) Hexachlorobutadiene	14.98	225	29	0.395	ug/l #	19
95) Naphthalene	15.11	128	1842	0.220	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.29	180	230	1.476	ug/l #	83

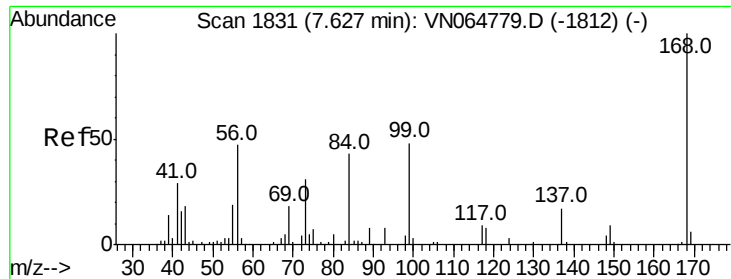
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112420\
Data File : VN064825.D
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ClientSampleId :
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Quant Time: Nov 25 04:09:07 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064825.D

Acq: 24 Nov 2020 21:53

Instrument :

MSVOA_N

ClientSampleId :

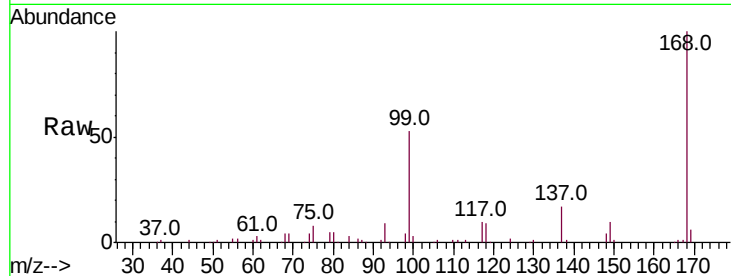
VN1124WBL02

Tot Ion:168 Resp: 163130

Ion Ratio Lower Upper

168 100

99 53.4 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

60000

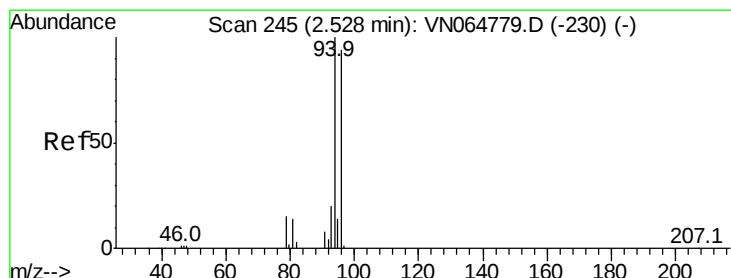
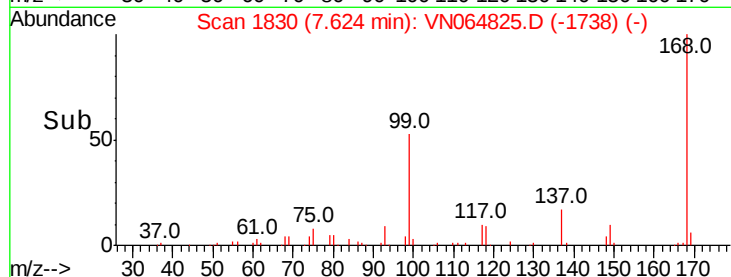
40000

20000

0

Time-->

7.50 7.60 7.70



#5

Bromomethane

Concen: 0.218 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN064825.D

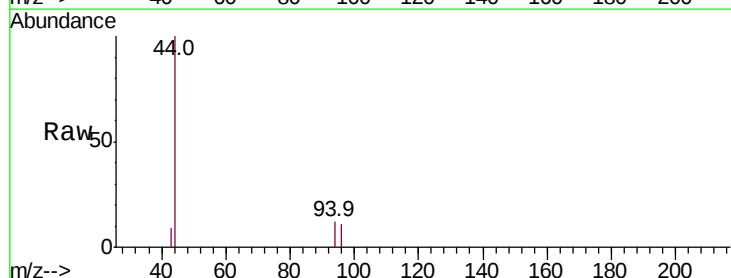
Acq: 24 Nov 2020 21:53

Tgt Ion: 94 Resp: 274

Ion Ratio Lower Upper

94 100

96 92.4 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.54

300

250

200

150

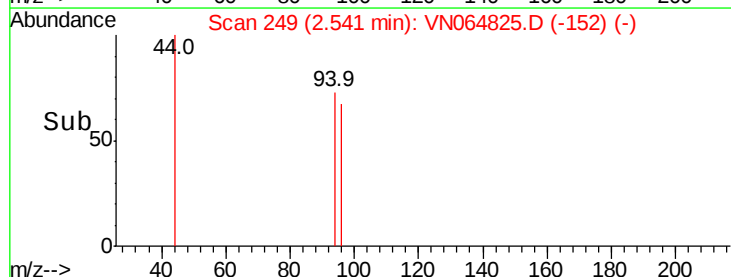
100

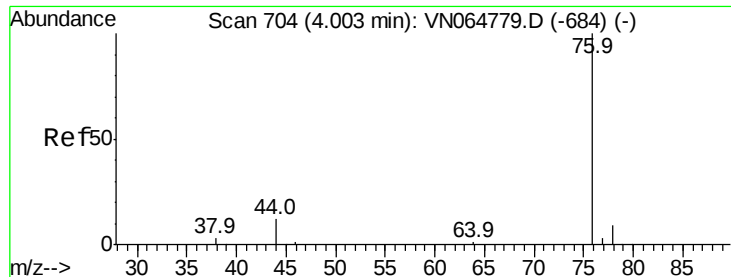
50

0

Time-->

2.52 2.54 2.56

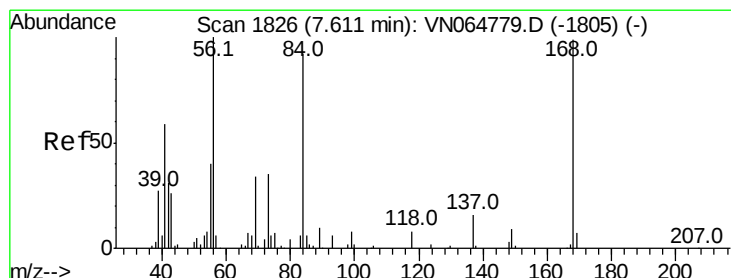
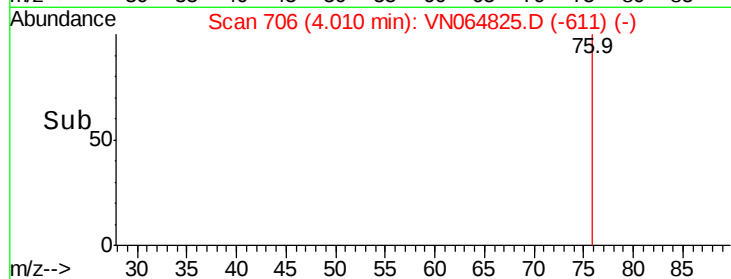
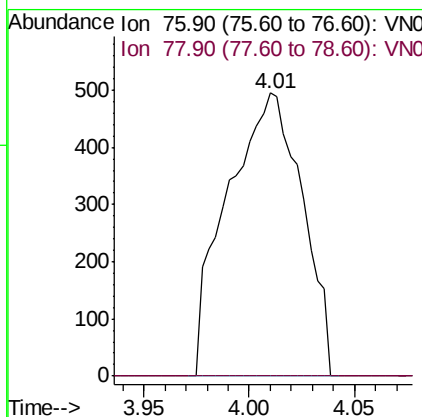
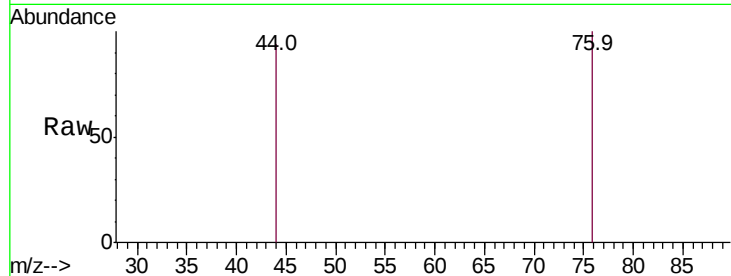




#17
Carbon Disulfide
Concen: 0.304 ug/l
RT: 4.01 min Scan# 706
Delta R.T. 0.01 min
Lab File: VN064825.D
Acq: 24 Nov 2020 21:53

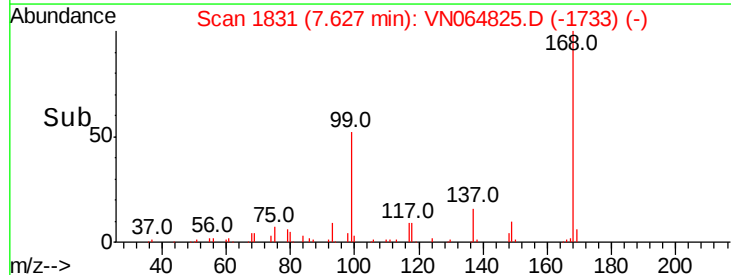
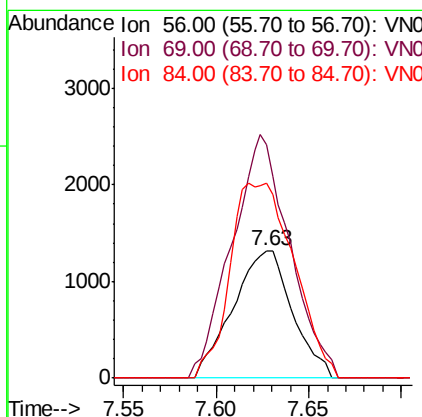
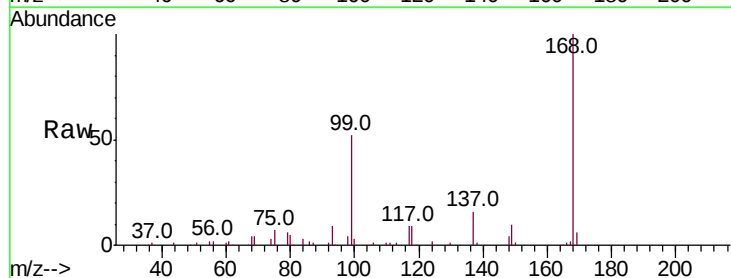
Instrument :
MSVOA_N
ClientSampleId :
VN1124WBL02

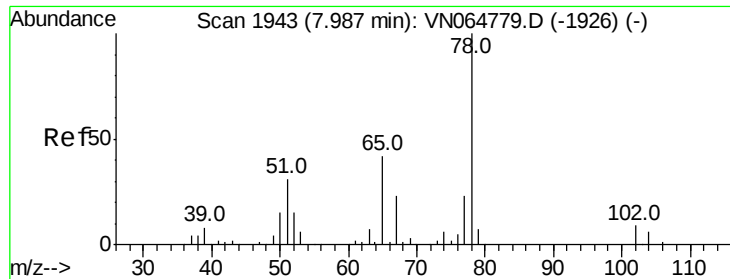
Tot Ion: 76 Resp: 1222
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#31
Cyclohexane
Concen: 1.108 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.02 min
Lab File: VN064825.D
Acq: 24 Nov 2020 21:53

Tgt Ion: 56 Resp: 2928
Ion Ratio Lower Upper
56 100
69 183.4 27.5 41.3#
84 153.4 73.9 110.9#

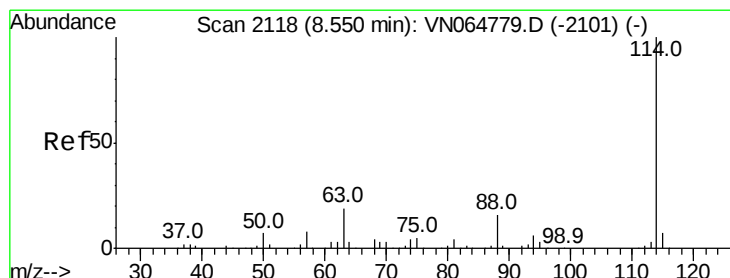
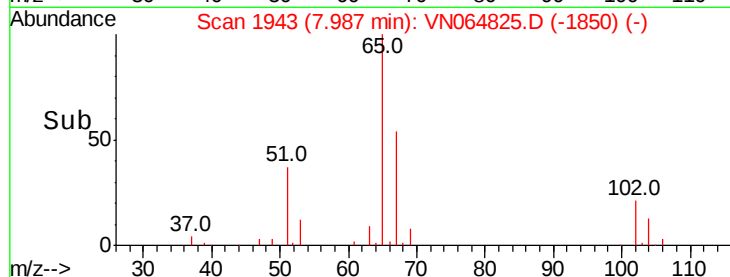
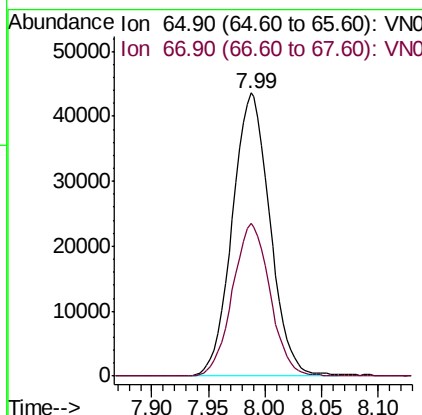
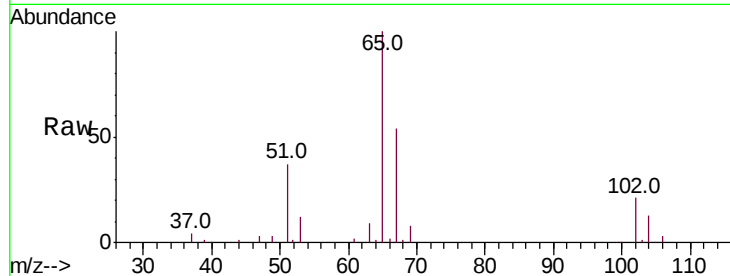




#33
 1,2-Dichloroethane-d4
 Concen: 53.262 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064825.D
 Acq: 24 Nov 2020 21:53

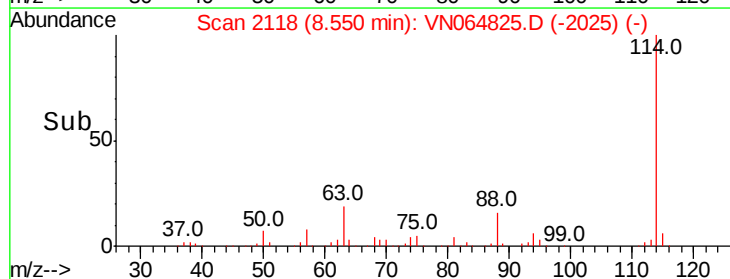
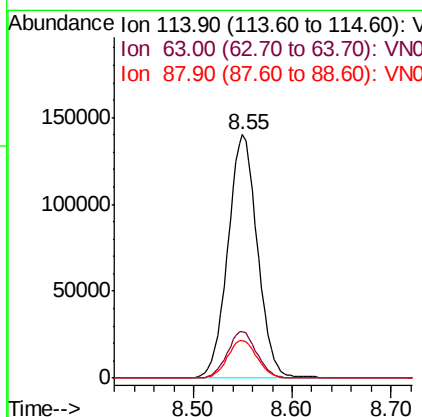
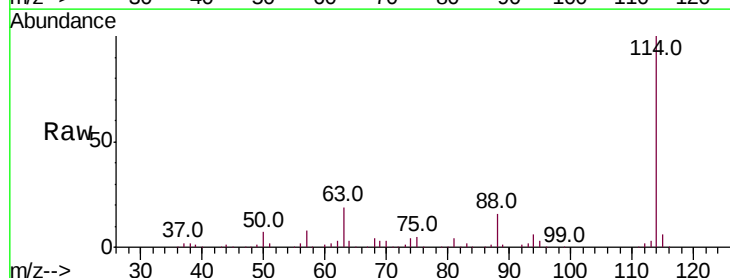
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1124WBL02

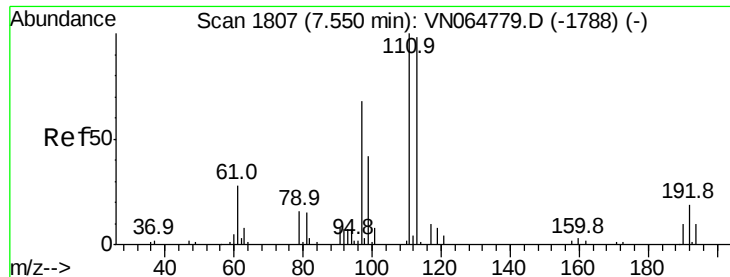
Tot Ion: 65 Resp: 101011
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064825.D
 Acq: 24 Nov 2020 21:53

Tgt Ion: 114 Resp: 292883
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 15.6 0.0 32.6

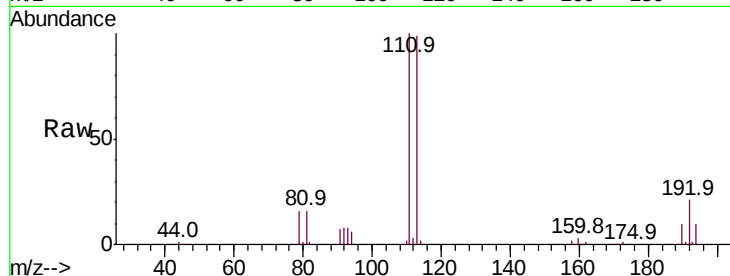




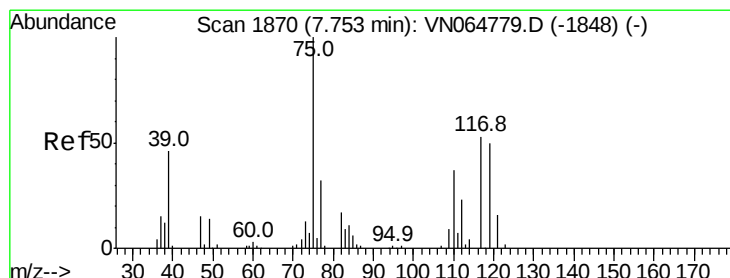
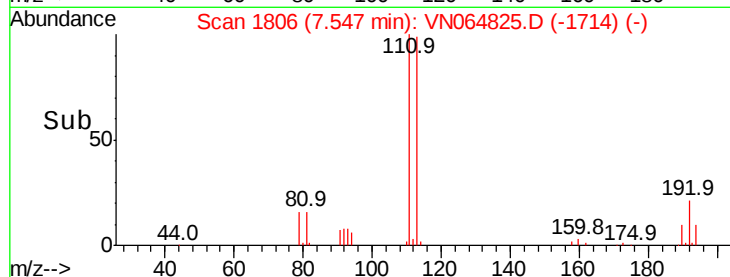
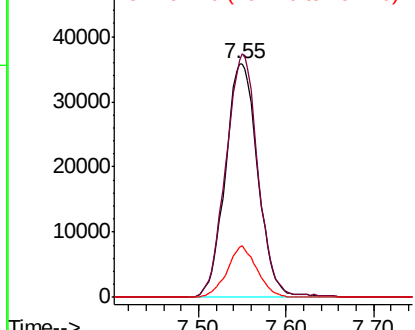
#35
 Dibromofluoromethane
 Concen: 52.661 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064825.D
 Acq: 24 Nov 2020 21:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1124WBL02

Tot Ion:113 Resp: 92289
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.6 122.4
 192 20.2 16.2 24.2

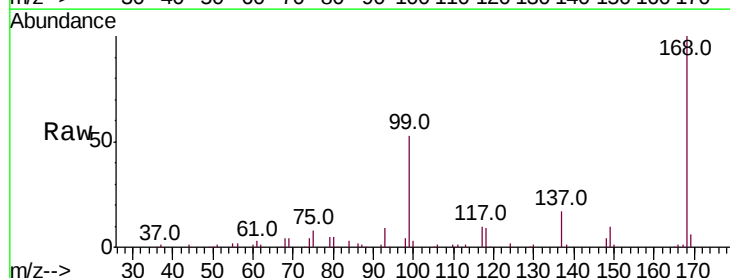


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

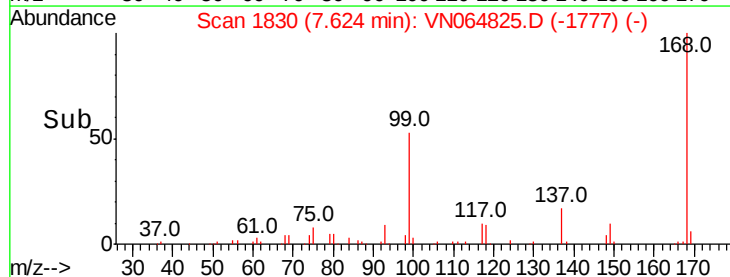
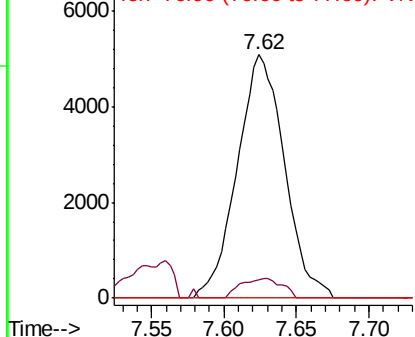


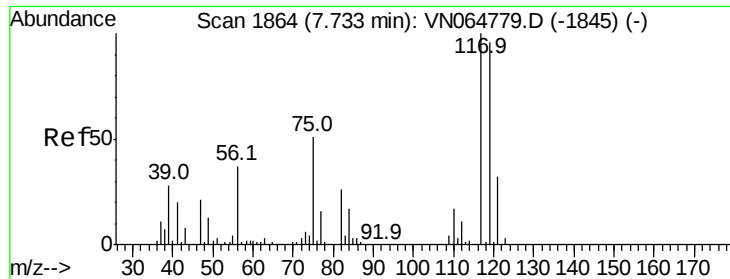
#36
 1,1-Dichloropropene
 Concen: 4.248 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064825.D
 Acq: 24 Nov 2020 21:53

Tgt Ion: 75 Resp: 11532
 Ion Ratio Lower Upper
 75 100
 110 7.0 17.8 53.3#
 77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.466 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064825.D

Acq: 24 Nov 2020 21:53

Instrument :

MSVOA_N

ClientSampleId :

VN1124WBL02

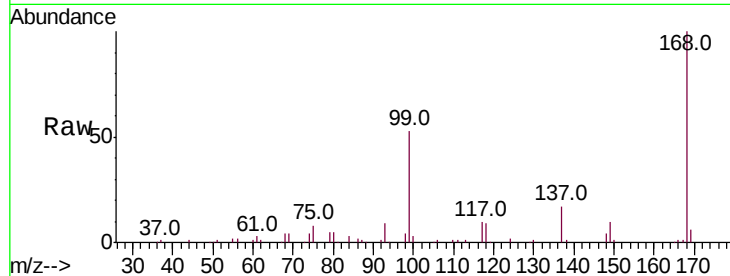
Tot Ion:117 Resp: 15439

Ion Ratio Lower Upper

117 100

119 4.1 76.7 115.1#

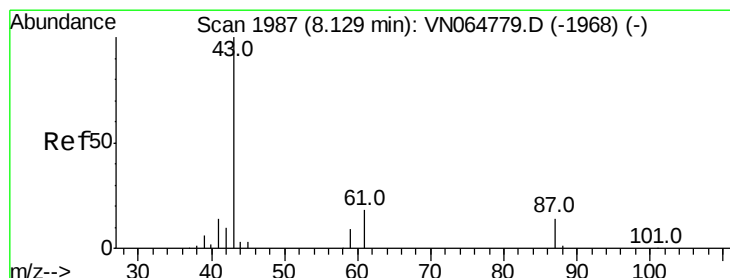
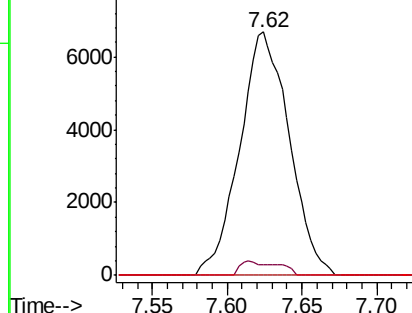
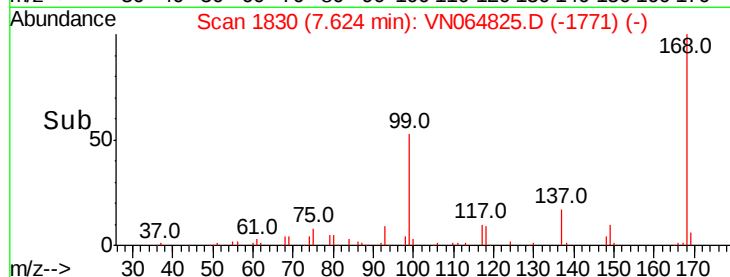
121 0.0 25.4 38.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 0.314 ug/l

RT: 8.26 min Scan# 2027

Delta R.T. 0.13 min

Lab File: VN064825.D

Acq: 24 Nov 2020 21:53

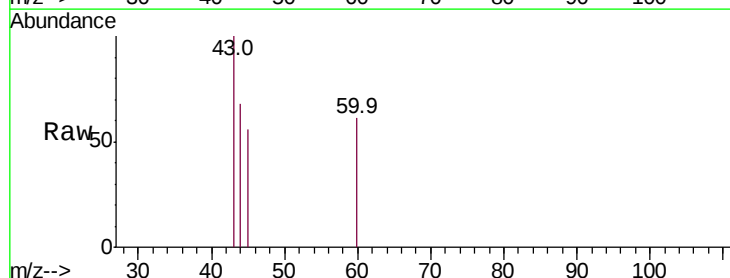
Tgt Ion: 43 Resp: 1320

Ion Ratio Lower Upper

43 100

61 0.0 17.2 25.8#

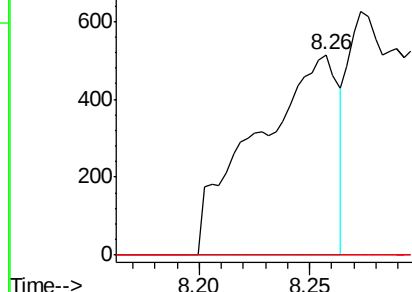
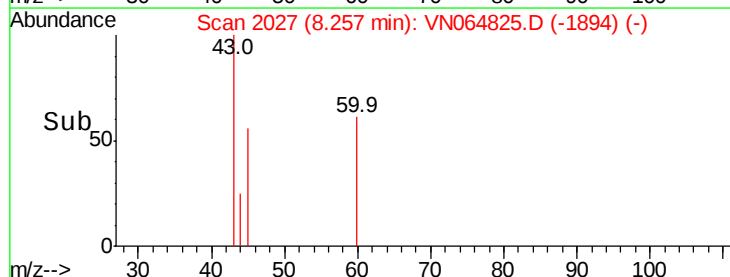
87 0.0 11.4 17.0#

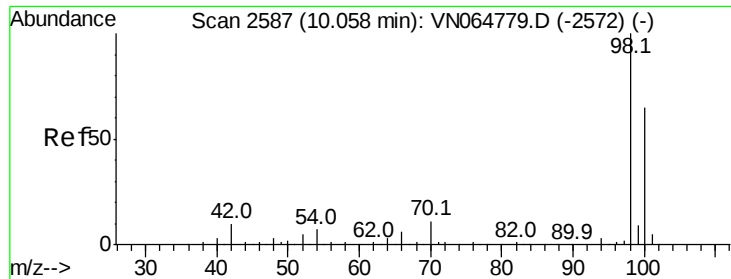


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 50.555 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064825.D

Acq: 24 Nov 2020 21:53

Instrument :

MSVOA_N

ClientSampleId :

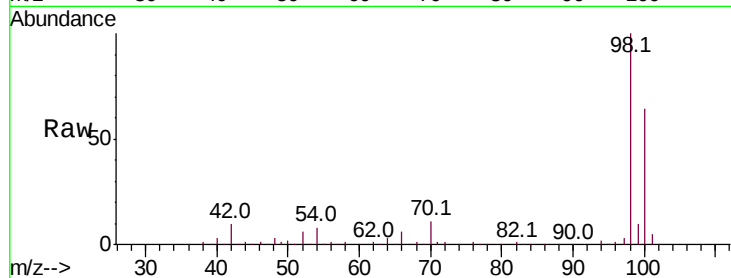
VN1124WBL02

Tot Ion: 98 Resp: 362009

Ion Ratio Lower Upper

98 100

100 64.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064779.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064779.D (-2572) (-)

10.06

200000

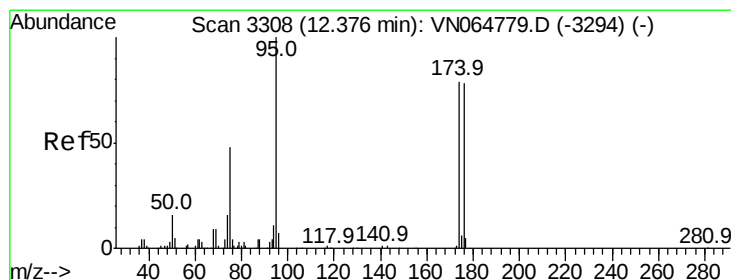
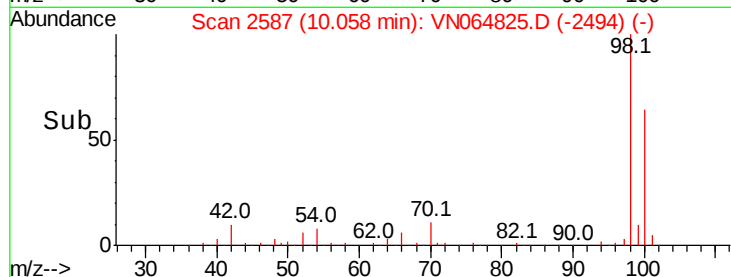
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.643 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064825.D

Acq: 24 Nov 2020 21:53

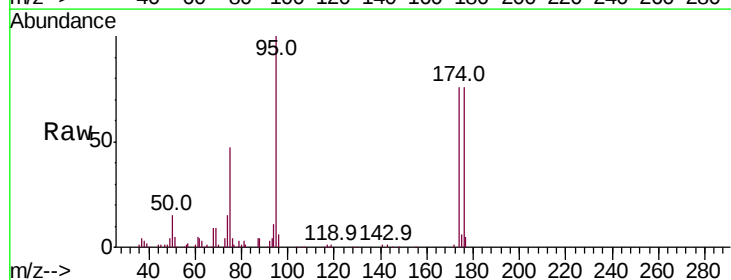
Tgt Ion: 95 Resp: 142595

Ion Ratio Lower Upper

95 100

174 79.9 0.0 160.4

176 79.1 0.0 158.4



Abundance Ion 94.90 (94.60 to 95.60): VN064779.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN064779.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN064779.D (-3294) (-)

12.37

120000

100000

80000

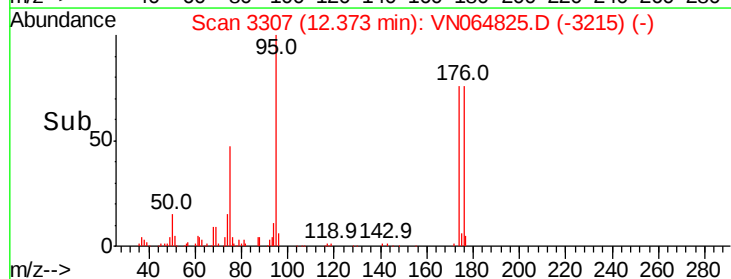
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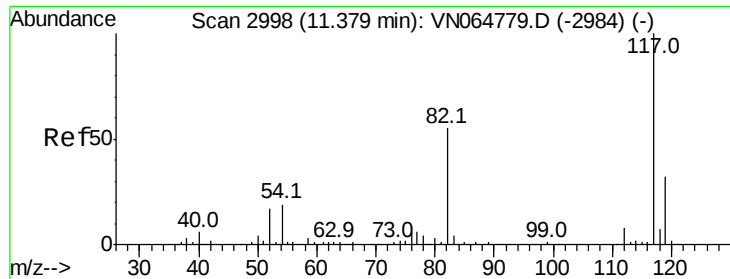
40000

20000

0

Time-->

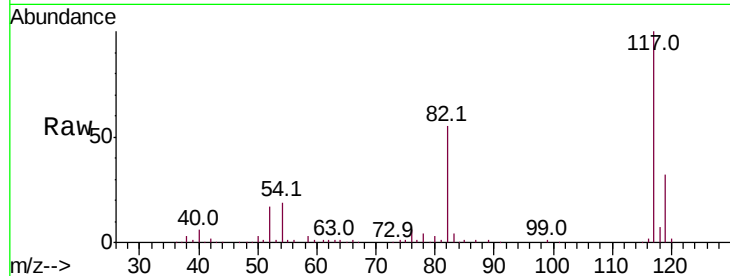




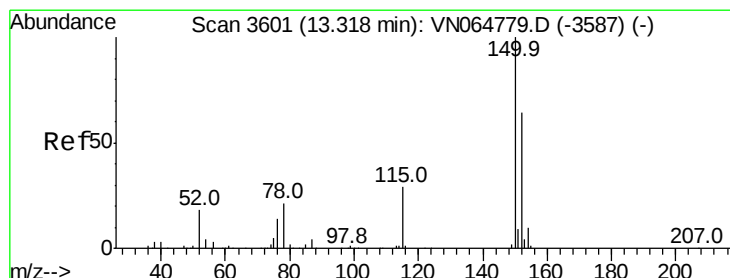
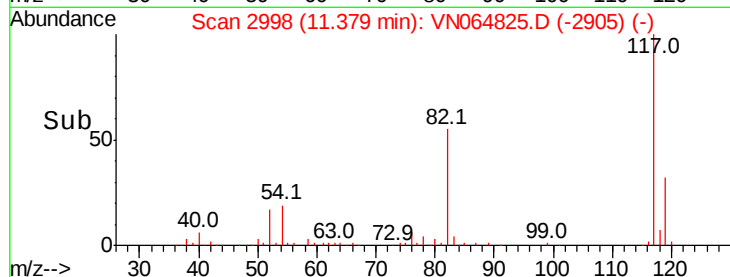
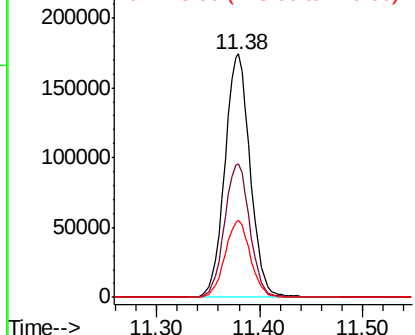
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064825.D
Acq: 24 Nov 2020 21:53

Instrument :
MSVOA_N
ClientSampleId :
VN1124WBL02

Tot Ion:117 Resp: 298196
Ion Ratio Lower Upper
117 100
82 54.8 44.2 66.2
119 31.7 25.8 38.6

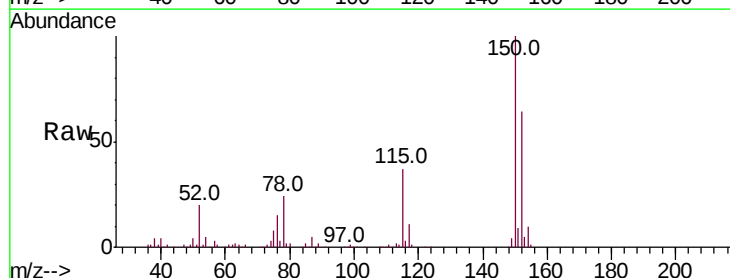


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

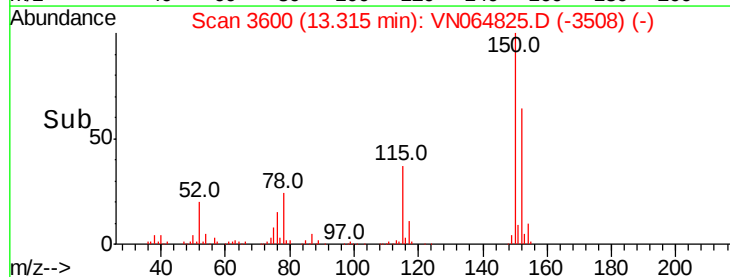
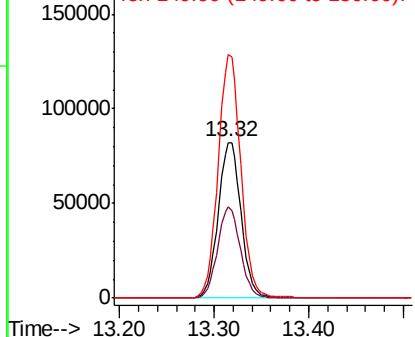


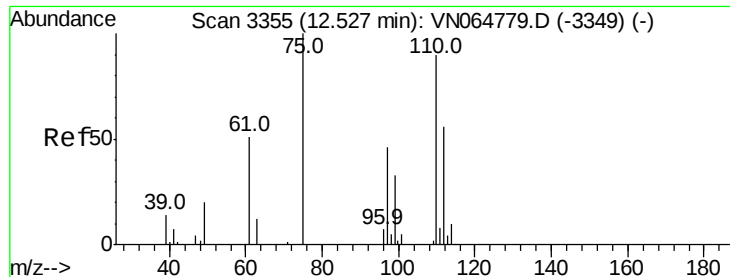
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064825.D
Acq: 24 Nov 2020 21:53

Tgt Ion:152 Resp: 138257
Ion Ratio Lower Upper
152 100
115 58.0 29.7 89.1
150 155.2 0.0 350.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.837 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064825.D

Acq: 24 Nov 2020 21:53

Instrument :

MSVOA_N

ClientSampleId :

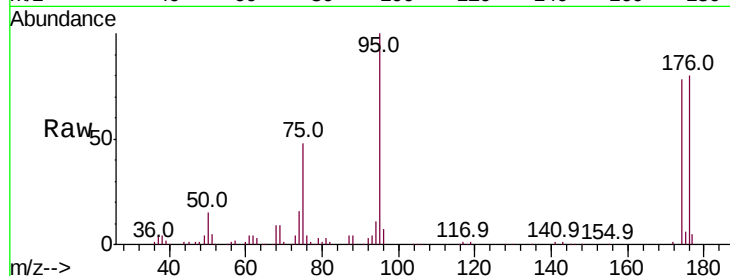
VN1124WBL02

Tot Ion: 75 Resp: 67997

Ion Ratio Lower Upper

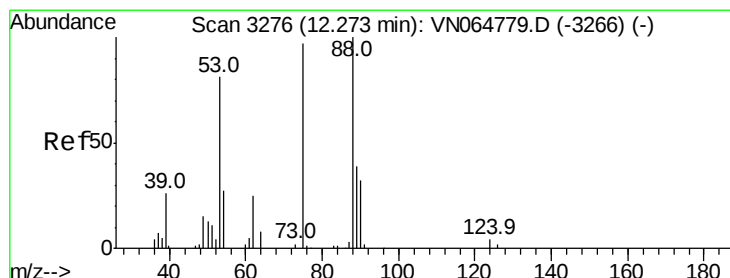
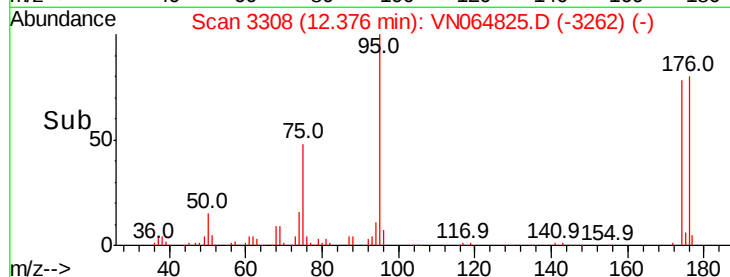
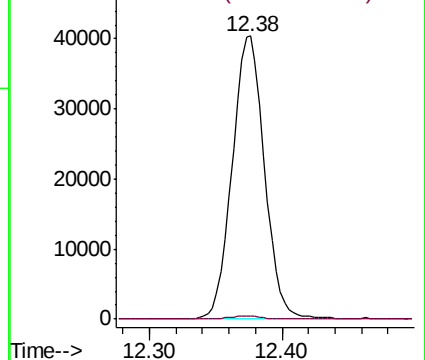
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 62.591 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064825.D

Acq: 24 Nov 2020 21:53

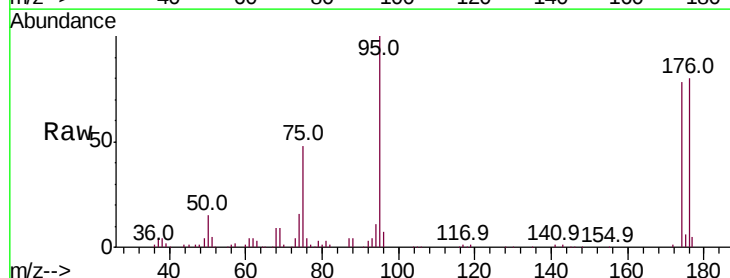
Tgt Ion: 75 Resp: 67997

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

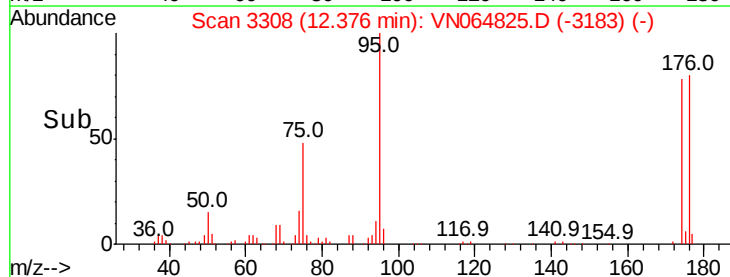
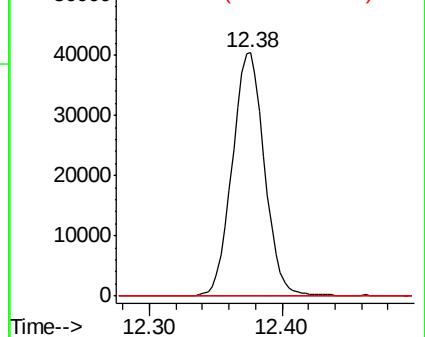
89 0.0 39.6 59.4#

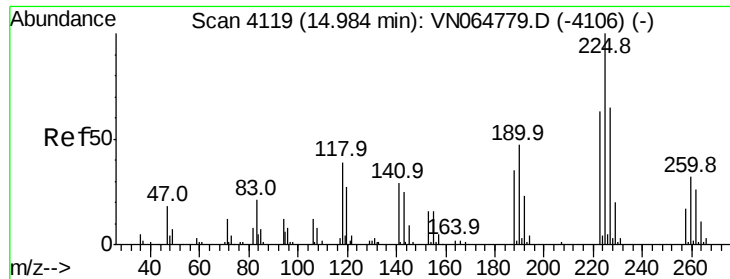


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#94

Hexachlorobutadiene

Concen: 0.395 ug/l

RT: 14.98 min Scan# 4117

Delta R.T. -0.01 min

Lab File: VN064825.D

Acq: 24 Nov 2020 21:53

Instrument :

MSVOA_N

ClientSampleId :

VN1124WBL02

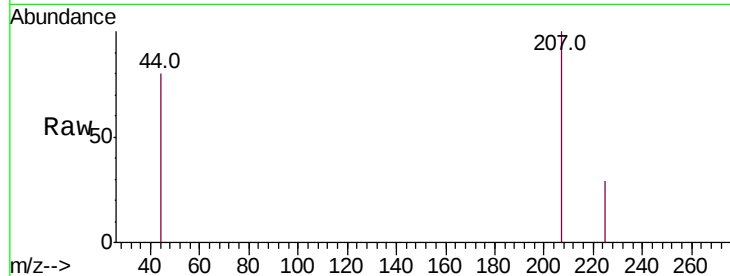
Tot Ion:225 Resp: 29

Ion Ratio Lower Upper

225 100

223 0.0 31.0 93.0#

227 0.0 32.0 96.0#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

14.98

150

100

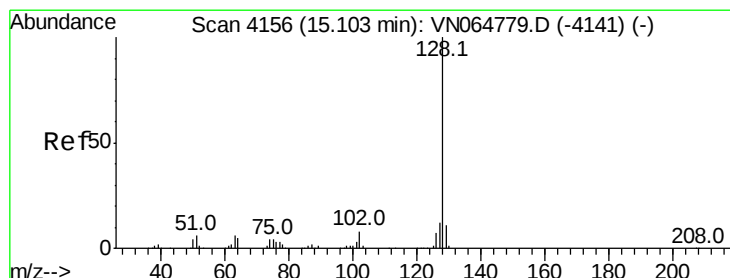
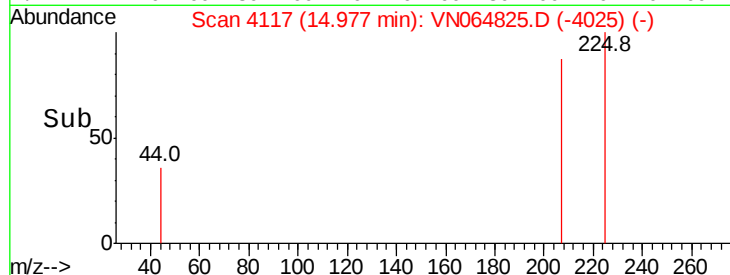
50

0

14.97

14.98

Time-->



#95

Naphthalene

Concen: 0.220 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN064825.D

Acq: 24 Nov 2020 21:53

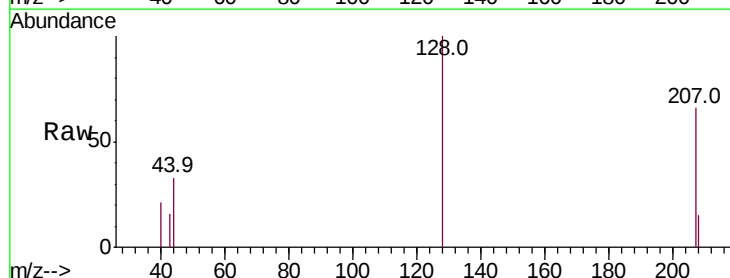
Tgt Ion:128 Resp: 1842

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.11

1000

500

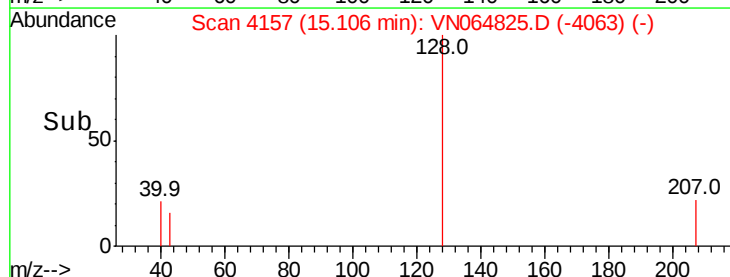
0

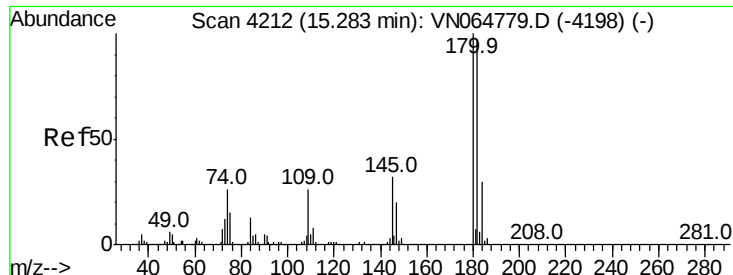
15.05

15.10

15.15

Time-->





#96

1,2,3-Trichlorobenzene

Concen: 1.476 ug/l

RT: 15.29 min Scan# 4214

Delta R.T. 0.01 min

Lab File: VN064825.D

Acq: 24 Nov 2020 21:53

Instrument :

MSVOA_N

ClientSampleId :

VN1124WBL02

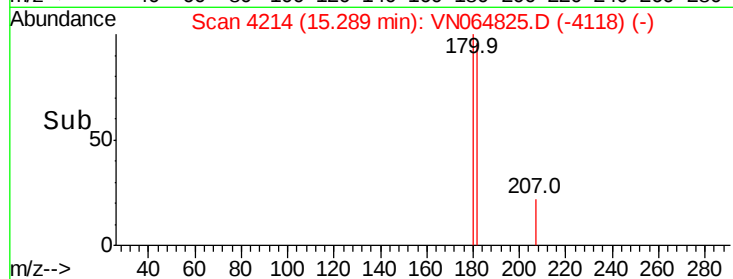
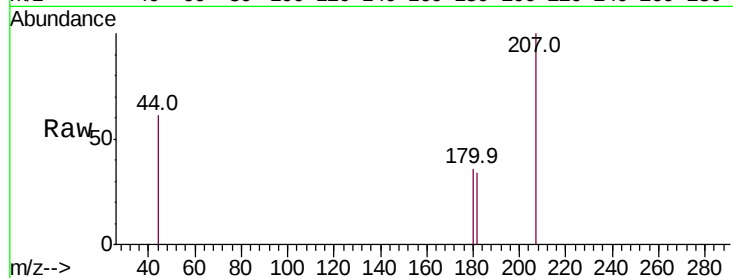
Tot Ion:180 Resp: 230

Ion Ratio Lower Upper

180 100

182 93.0 48.1 144.4

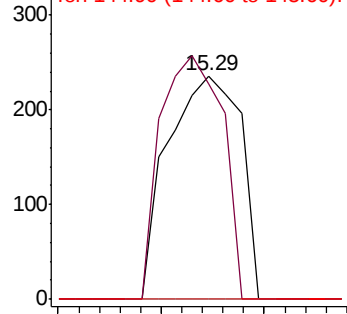
145 0.0 16.4 49.1#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time--> 15.26 15.28 15.30